

CLAIMS

1. A structural wooden joist comprising:
 - a) an elongated lower chord;
 - b) an elongated upper chord in a spaced apart opposed relation to said lower chord; and
 - c) a laminated panel structure joining said chords; said laminated panel structure defining an uninterrupted surface from one end of the joist to an opposite end thereof and having opposite upper and lower edges joined to said lower and upper chords respectively; said laminated panel structure being formed of a series of elongated planks adhesively secured edgewise to one another and extending vertically between said lower and upper chords.
2. A structural wooden joist as defined in claim 1, wherein said laminated panel structure is formed of two laminated panels extending parallel to and abutting one another, each said panel being formed of a series of elongated planks secured edgewise to one another.
3. A structural wooden joist as defined in claim 1, wherein said panel is secured to said chords by finger joints.
4. A structural wooden joist as defined in claim 3, wherein said planks are adhesively secured to one another by means of a glue having a base of resin resorcinol.
5. A structural wooden joist as defined in claim 1, wherein said planks are made of kiln dry wood.
6. A structural wooden joist as defined in claim 5, wherein said wood is selected from the group including fir, spruce and pine.
7. A structural wooden joist as defined in claim 1, wherein fibres in said planks extend in the longitudinal direction of said planks.

8. A structural wooden joist as defined in claim 1, wherein said planks are joined to one another by a V-shaped joint.

9. A structural wooden joist for closing peripheral areas of a floor joist structure comprising:

- a) an elongated lower chord having a given width;
- b) an elongated upper chord in spaced apart opposed relation to said lower chord and having a width equal to the width of said lower chord; and
- c) a laminated structure joining said chords; said laminated panel structure defining an uninterrupted surface having opposite lower and upper edges joined to said lower and upper chords respectively; said laminated panel structure being formed of a series of elongated planks adhesively secured edgewise to one another; said laminated panel structure having a width equal to the width of said lower and upper chords thereby defining a continuous rectangular shaped cross-section throughout the longitudinal direction of said joist.

10. A structural wooden joist as defined in claim 9, wherein said laminated panel structure is formed of two laminated panels extending parallel to and abutting one another, each said panel being formed of a series of elongated planks secured edgewise to one another.

11. A structural wooden joist as defined in claim 9, wherein said panel is secured to said chords by finger joints.

12. A structural wooden joist as defined in claim 11, wherein said planks are adhesively secured to one another by means of a glue having a base of resin resorcinol.

13. A structural wooden joist as defined in claim 9, wherein said planks extend perpendicularly to said chords.

